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TRANSMITTAL FORM <i>(to be used for all correspondence during pendency of filed application)</i>	Application Number	10/824,059	
	Filing Date	April 13, 2004	
	First Named Inventor	Behzad Dariush	
	Group Art Unit Number	3738	
	Examiner Name	Not Yet Known	
Total Number of Pages in This Submission	9*	Attorney Docket Number	23085-08887

ENCLOSURES (check all that apply)	
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REMARKS: *Page count does not include cited references.	

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Signature:			
Attorney/Reg. No.:	John T. McNelis, Reg. No. 37,186	Dated:	21 June 2006

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Behzad Dariush
APPLICATION NO.: 10/824,059
FILING DATE: April 13, 2004
TITLE: Gravity Compensation Control System and Method Using Multiple Feasibility Parameters
EXAMINER: Not Yet Known
GROUP ART UNIT: 3738
ATTY. DKT. NO.: 23085-08887

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO/SB/08A listing references for consideration by the Examiner.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

- ☒ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first office action on the merits, whichever event last occurred;
- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;

- ☐ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; or (2) an action that otherwise closes prosecution in the application, and:
 - ☐ attached hereto is the fee set forth under 37 CFR § 1.17(p) for submission of this Information Disclosure Statement under 37 CFR § 1.97(c); OR
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement;
- ☐ on or before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; (2) a notice of allowance under 37 CFR § 1.311; or (3) an action that otherwise closes prosecution in the application, and:
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement;
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this

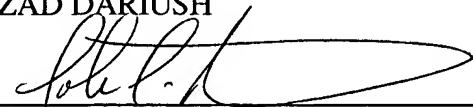
certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND

- ☐ attached hereto is the fee set forth under 37 CFR § 1.17(p) for submission of this Information Disclosure Statement under 37 CFR § 1.97(d); OR
- ☐ after the payment of the issue fee. Applicant requests that the information contained in this Information Disclosure Statement be placed in the file according to 37 CFR § 1.97(i), although the information may not be considered by the USPTO.
- ☐ Enclosed is a copy of each listed reference that may be material to the examination of this application, and for which there may be a duty to disclose.
- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No. _____, filed on _____, and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).
- ☒ Copies of any foreign patent documents and non-patent literature cited herein are enclosed.
- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 CFR § 1.704(d).
- ☒ Applicant submits that no fee is required for the consideration of this Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,
BEHZAD DARIUSH

Dated: 21 June 2006

By: 
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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT****Complete if Known**

Application No.	10/824,059
Filing Date	April 13, 2004
First Named Inventor	Behzad Dariush
Art Unit	3738
Examiner Name	Not Yet Known
Attorney Docket Number	23085-08887

Sheet 1 of 5

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document No. Number – Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A1	US-2005/0104548 A1	05-19-2005	Takenaka et al.
	A2	US-2005/0102111 A1	05-12-2005	Dariush et al.
	A3	US-2004/0158175 A1	08-12-2004	Ikeuchi et al.
	A4	US-2004/0158175 A1	08-12-2004	Ikeuchi et al.
	A5	US-6,785,591 B1	08-31-2004	Hansson
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	A24	US-4,834,200	05-30-1989	Kajita
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	A26	US-4,244,120	01-13-1981	Harris

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

23085/08887/DOCS/1619211.1

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Art Unit	3738
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Sheet 2 of 5

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ – Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶
	B1	JP 2000-249570	09-14-2000	Nippon Telegr & Teleph Corp	
	B2	RU 2 107 328 C1	03-20-1998	Nurislamovich, Latypov	
	B3	WO 00/35346	06-22-2000	Stanford University	(English Abstract only)

OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
	C1	AGARWAL, S.K. et al., "Theory and Design of an Orthotic Device for Full or Partial Gravity-Balancing of a Human Leg During Motion," IEEE Transactions on Neural Systems and Rehabilitation Engineering, June 2004, Vol. 12, No. 2.	
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	C14	CROWNINSHIELD, R.D. et al., "A Physiologically Based Criterion Of Muscle Force Prediction In Locomotion," <i>Journal of Biomechanics</i> , Vol. 14, No. 11, 1981, pp. 793-801.	
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		1980, Vol. SMC-10, No. 7, pp. 376-383	
	C30	HEMAMI, H. et al., "Modeling And Control Of Constrained Dynamic Systems With Application To Biped Locomotion In The Frontal Plane," <i>IEEE Transactions on Automatic Control</i> , Vol. 4, No. 4, August 1979, pp. 526-535.	
	C31	HEMAMI, H., "A State Space Model for Interconnected Rigid Bodies," <i>IEEE Trans. on Automatic Control</i> , 1982, pp. 376-382, Vol. 27, no. 2.	
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		Information Processing Systems, 1995, pp. 1117-1224, Chapter 7.	
	C46	SHADMEHR, R., "Learning Virtual Equilibrium Trajectories for Control of a Robot Arm", Neural Computation, 1990, Vol. 2, pp. 436-446	
	C47	SIMONS, W. et al., "Differentiation of Human Motion Data Using Combined Spline and Least Squares Concepts," Journal of Biomechanical Engineering, Transactions of the ASME, August 1991, Vol. 113, pp. 348-351.	
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	C49	Transmittal of the International Search Report, PCT/US02/20829, December 12, 2002, 4 pages.	
	C50	"Unsupported Standing with Minimized Ankle Muscle Fatigue," [online] Retrieved from the Internet<URL: http://ieeexplore.ieee.org/iel5/10/29163/01315854.pdf >	
	C51	VAUGHAN, C. L. et al., "Appendix B., Detailed Mathematics Used in GaitLab," <i>Dynamics of Human Gait</i> , Second Edition, Kiboho Publishers, Cape Town South Africa, 1999, pp. 83-106.	
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